

ABSTRACT OF THE DISCLOSURE

A vertical cavity surface-emitting laser (VCSEL) package useful in interferometry. The present invention comprises methods and apparatuses that allow use of multimode VCSELS, and that provide for wavelength control and stability. The present invention contemplates the use of a defined response
5 element, such as an etalon, in combination with control of the operating environment of the VCSEL to monitor and control the output wavelength of the VCSEL.